

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006134

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/32 G01S5/14 H04M1/60 H04R29/00 H04M1/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q G01S H04M H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 449 486 B1 (RAO PADMANABHA R) 10 September 2002 (2002-09-10)	1,2,5
Y	column 1, line 52 - column 2, line 38  column 3, line 28 - column 5, line 22	3,4,6,7, 10,11, 14-16, 18-23
X	US 5 982 324 A (WATTERS J MICHAEL ET AL) 9 November 1999 (1999-11-09) column 10, line 47 - column 11, line 16 column 13, lines 50-54	1,2,8,9, 12
X	DE 296 00 600 U (CT COMMUNICATION TECHNOLOGY GM) 5 June 1996 (1996-06-05) the whole document	1,2,13
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

04.11.2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/16276 A (NOKIA TELECOMMUNICATIONS OY ;JAERVELAE MIKKO (FI); KESKITALO ILKKA) 1 April 1999 (1999-04-01) page 1, line 17 - page 2, line 18	3,4
Y	US 5 953 650 A (VILLEVIEILLE JEAN MARC) 14 September 1999 (1999-09-14)  column 1, line 62 - column 2, line 48	10,11, 14,15, 20,22
Y	MURRAY B ET AL: "LOCATION TRACKING SYSTEM WITH HAND-OFF CAPABILITIES" MOTOROLA TECHNICAL DEVELOPMENTS, MOTOROLA INC. SCHAUMBURG, ILLINOIS, US, vol. 27, 1 May 1996 (1996-05-01), pages 168-173, XP000594601 ISSN: 0887-5286 pages 168-169	18,19
Y	WO 98/41044 A (NORTHERN TELECOM INC) 17 September 1998 (1998-09-17) page 9, lines 13-25	6,7
Y	US 5 461 390 A (HOSHEN JOSEPH) 24 October 1995 (1995-10-24) column 5, line 61 - column 6, line 3	16,21
Y	GUIZERIX D ET AL: "PAGER WITH VOICE SYNTHESIS MESSAGE ANNUNCIATION" MOTOROLA TECHNICAL DEVELOPMENTS, MOTOROLA INC. SCHAUMBURG, ILLINOIS, US, vol. 9, 1 August 1989 (1989-08-01), pages 10-11, XP000053762 ISSN: 0887-5286 the whole document	23
X	US 2003/008680 A1 (KENNEDY PATRICK J ET AL) 9 January 2003 (2003-01-09) paragraph '0042!	25-29

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-26

Mobile station with means for signal-strength-measurment  
based position determination means in addition to satellite  
based position determination means  
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2. claims: 27-29

docking station for mobile terminal  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006134

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6449486	B1	10-09-2002	NONE	
US 5982324	A	09-11-1999	NONE	
DE 29600600	U	05-06-1996	DE 29600600 U1	05-06-1996
WO 9916276	A	01-04-1999	FI 973663 A	12-03-1999
			AU 9163998 A	12-04-1999
			CN 1270744 T	18-10-2000
			EP 1021930 A2	26-07-2000
			WO 9916276 A2	01-04-1999
			JP 2001517913 T	09-10-2001
			NO 20001197 A	10-05-2000
US 5953650	A	14-09-1999	EP 0966833 A1	29-12-1999
			JP 2001508269 T	19-06-2001
			WO 9923809 A1	14-05-1999
WO 9841044	A	17-09-1998	US 6195546 B1	27-02-2001
			WO 9841044 A2	17-09-1998
US 5461390	A	24-10-1995	NONE	
US 2003008680	A1	09-01-2003	WO 02096070 A2	28-11-2002

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